

WHAT IS CLAIMED IS:

1. An image forming apparatus, comprising:

a plurality of guide members forming a paper transferring path connecting a paper feeding device and a photosensitive drum;

a feeding roller disposed on a side of the paper transferring path adjacent to the photosensitive drum, the feeding roller transferring a paper incoming along the paper transferring path to the photosensitive drum; and

at least one transferring roller disposed on the paper transferring path between the feeding roller and the paper feeding device, the transferring roller transferring the paper picked-up from the paper feeding device to the feeding roller; wherein

the plurality of guide members comprise a first guide member disposed near to the feeding roller, and the first guide member includes a notch that aligns a leading edge of the paper being transferred along the paper transferring path so that the leading edge of the paper is aligned parallel to a rotation axis of the feeding roller.

2. The image forming apparatus of claim 1, wherein the notch is formed at a lower surface of the first guide member.

3. The image forming apparatus of claim 1, wherein the plurality of guide members comprise a second guide member connecting the first guide member with the transferring roller, and the paper is guided along the second guide member in a curve so that a lower surface of the paper bends inward when the paper is transferred along the second guide member.

4. The image forming apparatus of claim 3, wherein the leading edge of the paper, upon contacting with the notch, bends by a movement of the transferring roller such that the upper surface of the paper contacts the lower surface of the second guide member, and wherein the leading edge of the paper is separated from the notch and enters the feeding roller.

5. The image forming apparatus of claim 3, wherein the second guide member is provided in plural numbers.

6. The image forming apparatus of claim 3, wherein the plurality of guide members further comprise a third guide member that guides the lower surface of the paper being transferred along the paper transferring path.

7. The image forming apparatus of claim 3, wherein the first and the second guide members are integrally formed with each other.

8. The image forming apparatus of claim 1, wherein the notch is formed such that an inner circumference thereof for contacting the leading edge of the paper is inclined with respect to a lower surface of the first guide member at a predetermined angle.

9. The image forming apparatus of claim 1, wherein the first guide member is provided in plural numbers.

10. A paper guidance system for an image forming apparatus, comprising:
a first guide member having a lower surface thereof contacting an upper side of a paper, and a notch that is disposed on the lower surface, for aligning a leading edge of the paper so that the leading edge of the paper is aligned in parallel with a feeding roller;
a second guide member contacting the upper side of the paper and formed in a curved shape; and
a third guide member contacting a lower side of the paper that is guided by the second guide member.

11. The paper guidance system of claim 10, wherein the notch is formed at a lower surface of the first guide member.

12. The paper guidance system of claim 10, wherein a lower surface of the second guide member is curved so that the paper bends toward the feeding roller when the paper is transferred along the second guide member.

13. The paper guidance system of claim 12, wherein the leading edge of the paper, upon contacting with the notch, bends such that the upper surface of the paper contacts the lower surface of the second guide member, and wherein the leading edge of the paper is separated from the notch and enters the feeding roller.

14. The paper guidance system of claim 10, wherein the first and the second guide members are integrally formed with each other.

15. The paper guidance system of claim 10, wherein the notch is formed such that an inner circumference thereof for contacting the leading edge of the paper is inclined with respect to the lower surface of the first guide member at a predetermined angle.

16. A paper guidance system for an image forming apparatus, comprising:
a feeding roller for the image forming apparatus, to feed a paper to an image forming system; and
a plurality of guide members forming a paper transferring path and aligning a leading edge of the paper in parallel with a rotation axis of the feeding roller.

17. The paper guidance system of claim 16, wherein the plurality of guide members comprises:

a first guide member having a lower surface thereof contacting an upper side of a paper, and a notch that is disposed on the lower surface, for aligning a leading edge of the paper so that the leading edge of the paper is aligned in parallel with a feeding roller;

a second guide member contacting the upper side of the paper and formed in a curved shape; and

a third guide member contacting a lower side of the paper that is guided by the second guide member.

18. The paper guidance system of claim 17, wherein the notch is formed at a lower surface of the first guide member.

19. The paper guidance system of claim 17, wherein a lower surface of the second guide member is curved so that the paper bends toward the feeding roller when the paper is transferred along the second guide member.

20. The paper guidance system of claim 19, wherein the leading edge of the paper, upon contacting with the notch, bends such that the upper surface of the paper contacts the lower surface of the second guide member, and wherein the leading edge of the paper is separated from the notch and enters the feeding roller.

21. The paper guidance system of claim 17, wherein the first and the second guide members are integrally formed with each other.

22. The paper guidance system of claim 17, wherein the notch is formed such that an inner circumference thereof for contacting the leading edge of the paper is inclined with respect to the lower surface of the first guide member at a predetermined angle.

23. An image forming apparatus, comprising:

a plurality of guide members forming a paper transferring path connecting a paper feeding device and a photosensitive drum;

a feeding roller disposed on a side of the paper transferring path adjacent to the photosensitive drum, the feeding roller transferring a paper incoming along the paper transferring path to the photosensitive drum; and

at least one transferring roller disposed on the paper transferring path between the feeding roller and the paper feeding device, the transferring roller transferring the paper picked-up from the paper feeding device to the feeding roller;

wherein the plurality of guide members comprises a combined structure of a first guide member and a second guide member, the first guide member disposed near to the feeding roller and including a notch that aligns a leading edge of the paper being transferred along the paper transferring path so that the leading edge of the paper is aligned parallel to a rotation axis of the feeding roller, and the second guide member integrally connected to the first guide member with the transferring roller to guide the paper in a curve so that a lower surface of the paper bends inward when the paper is transferred along the second guide member.

24. An image forming apparatus, comprising:

a plurality of guide members forming a paper transferring path connecting a paper feeding device and a photosensitive drum;

a feeding roller disposed on a side of the paper transferring path adjacent to the photosensitive drum, the feeding roller transferring a paper incoming along the paper transferring path to the photosensitive drum; and

at least one transferring roller disposed on the paper transferring path between the feeding roller and the paper feeding device, the transferring roller transferring the paper picked-up from the paper feeding device to the feeding roller; wherein

the plurality of guide members comprise a notch that aligns a leading edge of the paper being transferred along the paper transferring path to prevent the paper from being skewed.